## REMARKS

Claims 1, 2, and 4-12 are pending. Claim 3 is currently canceled. Claim 1 is currently amended to recite hardening said fluid surface protecting layer by exposure to radiation or upon heating. Claim 13 is new and depends upon claim 1. Support for this amendment and new claim 13 can be found, for example, on page 7, lines 24-28 of the specification as filed in English. Reconsideration of the application is requested.

## § 103 Rejections

Claims 1 and 2 stand rejected under 35 USC § 103(a) as purportedly being unpatentable over Kumamoto (6794751) in view of Yamamoto (6623594). It is the Examiner's position that Kumamoto teaches a semiconductor surface protecting method whereby the circuit side of a semiconductor wafer is protected during the step of back side grinding of the wafer, comprising in order: providing a fluid surface protecting layer, coating the fluid surface protecting layer on the circuit side of the semiconductor wafers, placing a polymeric film material over the fluid surface protecting layer, and grinding said semiconductor wafer. The Examiner admits that Kumamoto does not explicitly teach the fluid surface protecting layer, hardened by light or heat, hardening said fluid protecting layer, and grinding said semiconductor wafer is done after hardening said fluid surface protecting layer. The Examiner asserts that Yamamoto teaches a method of using a protective layer, which is patterned on a wafer during grinding wherein the fluid surface protecting layer is hardened by light or heat, the fluid surface protecting layer is hardened and then the semiconductor wafer is ground after hardening said fluid surface protecting layer.

Applicants have amended independent claim 1 to recite hardening said fluid surface protecting layer by exposure to radiation or upon heating. The Examiner has not shown that Yamamoto teaches or suggests the fluid surface protecting layer is hardened by heating. According to the American Heritage College Dictionary, Third Edition, 1993, "heating" means to make warm or hot. For at least this reason, the combination of Kumamoto in view of Yamamoto do not teach or suggest all of the limitations of Applicants' amended independent claim 1 as required for a proper prima facie case of obviousness according to MPEP § 2143. Thus,

amended independent claim 1 is now in condition for allowance. Claim 2 depends upon amended independent claim 1 and adds further limitations thereto. Since amended independent claim 1 is in condition for allowance, likewise so is claim 2.

The rejection of claims 1 and 2 stand rejected under 35 USC § 103(a) as being purportedly unpatentable over Kumamoto (6794751) in view of Yamamoto (6623594) has been overcome and should be withdrawn

Claims 4-6, 9 and 10 stand rejected under 35 U.S.C. 103(a) as purportedly being unpatentable over Kumamoto/Yamamoto as applied to claim 1 above, and further in view of Hosomi (5726219). The Examiner's position is that Kumamoto/Yamamoto does not explicitly teach a surface protecting sheet wherein before hardening of the surface protective layer, the protective layer has an elastic shear loss modulus less than its elastic shear modulus. The Examiner points to Hosomi as teaching a resin which contains the components necessary to form phenol-novolac epoxy (meth)acrylate resin and the Examiner asserts that since phenol-novolac epoxy (meth)acrylate resin is one of the main materials that can be utilized as in the surface protecting layers, it must have the characteristics laid out in claim 4.

The Applicants respectfully traverse for at least the following reason. The Applicants have already stated that the Examiner has not shown that the combination of Kumamoto and Yamamoto teach or suggest a fluid surface protecting layer which can be hardened by light or heating and then hardening said fluid protecting layer before grinding the semiconductor wafer. The Examiner also has not shown that Hosomi adds the missing teachings and in particular teaches hardening said fluid layer before grinding the semiconductor layer as required by Applicants' amended independent claim 1. In fact, Hosomi does not teach grinding a semiconductor layer at all. The Examiner has not shown that the combination of Kumamoto/Yamamoto further in view of Hosomi teach or suggest all of the limitations of Applicants' claim 1 upon which claims 4-6, 9 and 10 depend. As a result, the Examiner has not made a proper a prima facie case of obviousness as required by MPEP § 2143 and the rejection is therefore improper and should be withdrawn. Dependent claims 4-6, 9, and 10 depend upon

amended independent claim 1 and add further limitations thereto. Since independent claim 1 is patentable, likewise so are claims 4-6, 9, and 10.

The rejection of claims 4-6, 9 and 10 under 35 U.S.C. 103(a) as purportedly being unpatentable over Kumamoto/Yamamoto as applied to claim 3 above, and further in view of Hosomi (5726219) has been overcome and should be withdrawn.

Claims 7 and 8 stand rejected under35 U.S.C. 103(a) as purportedly being unpatentable over Kumamoto/Yamamoto as applied to claim 1 above, and further in view of Komiyama (511857). As admitted by the Examiner Kumamoto/Yamamoto does not teach a surface protecting sheet according to claim 1 wherein the surface protecting layer contains at least one cationically polymerizable compound having two or more cationically polymerizable groups in the molecule wherein the cationically polymerizable compound is a phenol-novolac epoxy resin. The Examiner admits that Komiyama teaches the use of an adhesive tape which is composed of phenol-novolac epoxy resin and that this adhesive tape has adhesive/releasing properties which are well balanced, which initially was a problem in the prior art.

The Applicants respectfully traverse for at least the following reason. The Applicants have already shown that amended independent claim 1 is patentable over Kumamoto/Yamamoto. The Examiner has not shown that Komiyama teaches or suggests a fluid surface protecting layer which can be hardened by light or heating and then hardening said fluid protecting layer before grinding the semiconductor wafer as required by Applicants' amended independent claim 1. For at least this reason, the Examiner has not shown that the combination of Kumamoto/Yamamoto further in view of Komiyama teach or suggest all of the limitations of Applicants' claim 1 upon which claims 7 and 8 depend. As a result, the Examiner has not made a proper a prima facie case of obviousness as required by MPEP § 2143 and the rejection is therefore improper and should be withdrawn.

Claims 11 and 12 stand rejected under 35 U.S.C. 103(a) as purportedly being unpatentable over Kumamoto/Yamamoto/Hosomi as applied to claim 4 above, and further in view of Komivama. It is the Examiner's position that Komivama teaches the use of an adhesive

tape which is composed of a phenol-novolac epoxy resin and has adhesive/releasing properties which are well balanced. However, as discussed above, the Examiner has not shown that Kumamoto/Yamamoto or Kumamoto/Yamamoto/Hosomi teach or suggest all of the limitations of Applicants' amended independent claim 1 upon which claims 11 and 12 ultimately depend. As a result, the Examiner has not made a proper a prima facie case of obviousness as required by MPEP § 2143 and the rejection is therefore improper and should be withdrawn.

In view of the above, it is submitted that the application is in condition for allowance.

Examination and reconsideration of the application as amended is requested.

Respectfully submitted,

15-April-2011 By: /Stephen F. Wolf/

Date

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